# Wei-Teh Jiang

List of Publications by Year
in descending order



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|---|---|---|---|
| 85 papers | 3,396 citations | 126708 33 h-index | 149479 56 g-index |
| 85 all docs | 85 docs citations | 85 times ranked | 3671 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Interaction between tetracycline and smectite in aqueous solution. Journal of Colloid and Interface Science, 2010, 341, 311-319. | 5.0 | 177 |
| 2 | Cation exchange interaction between antibiotic ciprofloxacin and montmorillonite. Journal of Hazardous Materials, 2010, 183, 309-314. | 6.5 | 170 |
| 3 | Adsorption and intercalation of tetracycline by swelling clay minerals. Applied Clay Science, 2009, 46, 27-36. | 2.6 | 154 |
| 4 | Adsorption of ciprofloxacin on 2:1 dioctahedral clay minerals. Applied Clay Science, 2011, 53, 723-728. | 2.6 | 148 |
| 5 | Adsorption of tetracycline on 2:1 layered non-swelling clay mineral illite. Applied Clay Science, 2012, 67-68, 158-163. | 2.6 | 148 |
| 6 | Mechanism of tetracycline sorption on rectorite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 339, 94-99. | 2.3 | 124 |
| 7 | An FTIR investigation of hexadecyltrimethylammonium intercalation into rectorite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 1525-1534. | 2.0 | 121 |
| 8 | Removal of ciprofloxacin from water by birnessite. Journal of Hazardous Materials, 2013, 250-251, 362-369. | 6.5 | 121 |
| 9 | Mechanism of methylene blue removal from water by swelling clays. Chemical Engineering Journal, 2011, 168, 1193-1200. | 6.6 | 105 |
| 10 | Contradictory magnetic polarities in sediments and variable timing of neoformation of authigenic greigite. Earth and Planetary Science Letters, 2001, 193, 1-12. | 1.8 | 103 |
| 11 | Removal of arsenic from water using Fe-exchanged natural zeolite. Journal of Hazardous Materials, 2011, 187, 318-323. | 6.5 | 96 |
| 12 | Adsorption of Cr(VI) on STAC-modified rectorite. Applied Clay Science, 2008, 42, 292-299. | 2.6 | 86 |
| 13 | Transmission and Analytical Electron Microscopic Study of Mixed-Layer Illite/Smectite Formed as an Apparent Replacement Product of Diagenetic Illite1. Clays and Clay Minerals, 1990, 38, 449-468. | 0.6 | 82 |
| 14 | Chlorite Geothermometry?â€"Contamination and Apparent Octahedral Vacancies. Clays and Clay Minerals, 1994, 42, 593-605. | 0.6 | 76 |
| 15 | Desorption of ciprofloxacin from clay mineral surfaces. Water Research, 2013, 47, 259-268. | 5.3 | 71 |
| 16 | Formation of iron sulfide nodules during anaerobic oxidation of methane. Geochimica Et Cosmochimica Acta, 2007, 71, 5155-5167. | 1.6 | 68 |
| 17 | Relation between Interlayer Composition of Authigenic Smectite, Mineral Assemblages, I/S Reaction Rate and Fluid Composition in Silicic Ash of the Nankai Trough. Clays and Clay Minerals, 1996, 44, 443-459. | 0.6 | 56 |
| 18 | Removal of Cr(VI) from water using Fe(II)-modified natural zeolite. Chemical Engineering Research and Design, 2014, 92, 384-390. | 2.7 | 54 |

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|---|---|---|---|
| 19 | Transmission Electron Microscopic Study of Coexisting Pyrophyllite and Muscovite: Direct Evidence for the Metastability of Illite1. Clays and Clay Minerals, 1990, 38, 225-240. | 0.6 | 44 |
| 20 | Mechanism of chlorpheniramine adsorption on Ca-montmorillonite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 385, 213-218. | 2.3 | 42 |
| 21 | FTIR and XRD Investigations of Tetracycline Intercalation in Smectites. Clays and Clay Minerals, 2010, 58, 462-474. | 0.6 | 41 |
| 22 | Cr(VI) retention and transport through Fe(III)-coated natural zeolite. Journal of Hazardous Materials, 2012, 221-222, 118-123. | 6.5 | 39 |
| 23 | Mechanism of amitriptyline adsorption on Ca-montmorillonite (SAz-2). Journal of Hazardous Materials, 2014, 277, 44-52. | 6.5 | 39 |
| 24 | Formation of corrensite, chlorite and chlorite-mica stacks by replacement of detrital biotite in low-grade pelitic rocks. Journal of Metamorphic Geology, 1994, 12, 867-884. | 1.6 | 38 |
| 25 | Authigenesis of vivianite as influenced by methane-induced sulfidization in cold-seep sediments off southwestern Taiwan. Journal of Asian Earth Sciences, 2014, 89, 88-97. | 1.0 | 38 |
| 26 | Microstructures, Mixed Layering, and Polymorphism of Chlorite and Retrograde Berthierine in the Kidd Creek Massive Sulfide Deposit, Ontario1. Clays and Clay Minerals, 1992, 40, 501-514. | 0.6 | 37 |
| 27 | Removal of diphenhydramine from water by swelling clay minerals. Journal of Colloid and Interface Science, 2011, 360, 227-232. | 5.0 | 37 |
| 28 | Interaction of ciprofloxacin and probe compounds with palygorskite PFl-1. Journal of Hazardous Materials, 2016, 303, 55-63. | 6.5 | 37 |
| 29 | Hydrothermally precipitated mixed-layer illite-smectite in recent massive sulfide deposits from the sea floor. Geology, 1991, 19, 570. | 2.0 | 36 |
| 30 | Desorption of tetracycline from montmorillonite by aluminum, calcium, and sodium: an indication of intercalation stability. International Journal of Environmental Science and Technology, 2014, 11, 633-644. | 1.8 | 36 |
| 31 | Modification of a Ca-montmorillonite with ionic liquids and its application for chromate removal. Journal of Hazardous Materials, 2014, 270, 169-175. | 6.5 | 36 |
| 32 | Halloysite nanotubes as a carrier for the uptake of selected pharmaceuticals. Microporous and Mesoporous Materials, 2016, 220, 298-307. | 2.2 | 36 |
| 33 | Removal of perfluorooctanoic acid from water using calcined hydrotalcite â€“ A mechanistic study. Journal of Hazardous Materials, 2019, 368, 487-495. | 6.5 | 36 |
| 34 | Transmission Electron Microscopic Study of the Kaolinitization of Muscovite1. Clays and Clay Minerals, 1991, 39, 1-13. | 0.6 | 35 |
| 35 | Amitriptyline removal using palygorskite clay. Chemosphere, 2016, 155, 292-299. | 4.2 | 33 |
| 36 | Assessing the timing of greigite formation and the reliability of the Upper Olduvai polarity transition record from the Crostolo River, Italy. Geophysical Research Letters, 2005, 32, . | 1.5 | 32 |

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| 37 | Transmission Electron Microscope Observations of Illite Polytypism1. Clays and Clay Minerals, 1991, 39, 540-550. | 0.6 | 31 |
| 38 | A thermogravimetric investigation of alkylammonium intercalation into rectorite. Thermochimica Acta, 2009, 483, 58-65. | 1.2 | 31 |
| 39 | Interlayer configuration of ionic liquids in a Ca-montmorillonite as evidenced by FTIR, TG-DTG, and XRD analyses. Materials Chemistry and Physics, 2015, 162, 417-424. | 2.0 | 31 |
| 40 | Mechanism of acridine orange removal from water by low-charge swelling clays. Chemical Engineering Journal, 2011, 174, 603-611. | 6.6 | 30 |
| 41 | Sorption and desorption of tetracycline on layered manganese dioxide birnessite. International Journal of Environmental Science and Technology, 2015, 12, 1695-1704. | 1.8 | 30 |
| 42 | Prograde Transitions of Corrensite and Chlorite in Low-Grade Pelitic Rocks from the GaspÃ© Peninsula, Quebec1. Clays and Clay Minerals, 1994, 42, 497-517. | 0.6 | 29 |
| 43 | Ionic-liquid-crafted zeolite for the removal of anionic dye methyl orange. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 237-243. | 2.7 | 29 |
| 44 | Influence of waterfall aeration and seasonal temperature variation on the iron and arsenic attenuation rates in an acid mine drainage system. Applied Geochemistry, 2012, 27, 1966-1978. | 1.4 | 26 |
| 45 | Intercalation of ciprofloxacin accompanied by dehydration in rectorite. Applied Clay Science, 2013, 74, 74-80. | 2.6 | 26 |
| 46 | Mechanism of tyramine adsorption on Ca-montmorillonite. Science of the Total Environment, 2018, 642, 198-207. | 3.9 | 25 |
| 47 | Influence of Chain Lengths and Loading Levels on Interlayer Configurations of Intercalated Alkylammonium and Their Transitions in Rectorite. Langmuir, 2010, 26, 8289-8294. | 1.6 | 24 |
| 48 | Clay Minerals in the MacAdams Sandstone, California: Implications for Substitution of H3O+ and H2O and Metastability of Illite*. Clays and Clay Minerals, 1994, 42, 35-45. | 0.6 | 22 |
| 49 | Interlayer conformations of intercalated dodecyltrimethylammonium in rectorite as determined by FTIR, XRD, and TG analyses. Clays and Clay Minerals, 2009, 57, 194-204. | 0.6 | 22 |
| 50 | Intercalation of Methylene Blue in a High-Charge Calcium Montmorillonite â€" An Indication of Surface Charge Determination. Adsorption Science and Technology, 2010, 28, 297-312. | 1.5 | 20 |
| 51 | Uptake and retention of amitriptyline by kaolinite. Journal of Colloid and Interface Science, 2013, 411, 198-203. | 5.0 | 20 |
| 52 | Experimental investigation of trace element dissolution in formation water in the presence of supercritical CO2 fluid for a potential geological storage site of CO2 in Taiwan. Journal of Natural Gas Science and Engineering, 2015, 23, 304-314. | 2.1 | 20 |
| 53 | Micro-colonization of arsenic-resistant Staphylococcus sp. As-3 on arsenopyrite (FeAsS) drives arsenic mobilization under anoxic sub-surface mimicking conditions. Science of the Total Environment, 2019, 669, 527-539. | 3.9 | 20 |
| 54 | Mineralogy and Physical Properties of Cored Se diments from the Gas Hydrate Potential Area of Offshore Southwestern Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2006, 17, 981. | 0.3 | 20 |

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| 55 | Distribution and hosts of arsenic in a sediment core from the Chianan Plain in SW Taiwan: Implications on arsenic primary source and release mechanisms. Science of the Total Environment, 2016, 569-570, 212-222. | 3.9 | 19 |
| 56 | Clay minerals for pharmaceutical wastewater treatment. , 2019, , 167-196. | | 19 |
| 57 | Contrasting mechanisms of metoprolol uptake on kaolinite and talc. Chemical Engineering Journal, 2015, 272, 48-57. | 6.6 | 18 |
| 58 | Controllable adjustment of the crystal symmetry of Kâ€“MnO<sub>2</sub> and its influence on the frequency of microwave absorption. RSC Advances, 2016, 6, 58844-58853. | 1.7 | 17 |
| 59 | Palygorskite for the uptake and removal of pharmaceuticals for wastewater treatment. Chemical Engineering Research and Design, 2016, 101, 80-87. | 2.7 | 17 |
| 60 | Combination of hydrous iron oxide precipitation with zeolite filtration to remove arsenic from contaminated water. Desalination, 2011, 280, 203-207. | 4.0 | 16 |
| 61 | The whole genome insight on condition-specific redox activity and arsenopyrite interaction promoting As-mobilization by strain Lysinibacillus sp. B2A1. Journal of Hazardous Materials, 2019, 364, 671-681. | 6.5 | 15 |
| 62 | Tunable high-performance microwave absorption for manganese dioxides by one-step Co doping modification. Scientific Reports, 2016, 6, 37400. | 1.6 | 14 |
| 63 | The Triple Mechanisms of Atenolol Adsorption on Ca-Montmorillonite: Implication in Pharmaceutical Wastewater Treatment. Materials, 2019, 12, 2858. | 1.3 | 14 |
| 64 | Mechanisms of Cu2+, triethylenetetramine (TETA), and Cu-TETA sorption on rectorite and its use for metal removal via metal-TETA complexation. Journal of Hazardous Materials, 2019, 373, 187-196. | 6.5 | 14 |
| 65 | Adsorption of tetracycline on montmorillonite: influence of solution pH, temperature, and ionic strength. Desalination and Water Treatment, 0, , 1-13. | 1.0 | 13 |
| 66 | The multi-mechanisms and interlayer configurations of metoprolol uptake on montmorillonite. Chemical Engineering Journal, 2019, 360, 325-333. | 6.6 | 13 |
| 67 | Adsorption of Atenolol on Kaolinite. Advances in Materials Science and Engineering, 2015, 2015, 1-8. | 1.0 | 12 |
| 68 | Intercalation and configurations of organic dye acridine orange in a high-charge montmorillonite as influenced by dye loading. Desalination and Water Treatment, 2014, 52, 7323-7331. | 1.0 | 11 |
| 69 | Ionic liquid modification of zeolite and its removal of chromate from water. Green Chemistry Letters and Reviews, 2014, 7, 191-198. | 2.1 | 10 |
| 70 | Investigation of intercalation of diphenhydramine into the interlayer of smectite by XRD, FTIR, TG-DTG analyses and molecular simulation. Arabian Journal of Chemistry, 2017, 10, 855-861. | 2.3 | 10 |
| 71 | Calcination of hydrotalcite to enhance the removal of perfluorooctane sulfonate from water. Applied Clay Science, 2020, 190, 105563. | 2.6 | 10 |
| 72 | Adsorption of Atenolol on Talc: An Indication of Drug Interference with an Excipient. Adsorption Science and Technology, 2015, 33, 379-392. | 1.5 | 9 |

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| 73 | Enhanced removal of ethidium bromide (EtBr) from aqueous solution using rectorite. Journal of Hazardous Materials, 2020, 384, 121254. | 6.5 | 9 |
| 74 | Using probing compounds to investigate adsorption mechanism of ciprofloxacin on montmorillonite. Materials Technology, 2014, 29, B100-B107. | 1.5 | 8 |
| 75 | Enhanced fluorescence effect of acridine orange sorbed on 2:1 layered clay minerals. Applied Clay Science, 2020, 189, 105534. | 2.6 | 6 |
| 76 | Sorption of Acridine Orange on Non-Swelling and Swelling Clay Minerals. Crystals, 2022, 12, 118. | 1.0 | 6 |
| 77 | Comparison of silicon nanocrystals embedded silicon oxide films by sputtering and PECVD. Thin Solid Films, 2011, 519, 5086-5089. | 0.8 | 5 |
| 78 | Reductive Heating Experiments on BOF-Slag: Simultaneous Phosphorus Re-Distribution and Volume Stabilization for Recycling. Steel Research International, 2016, 87, 1511-1526. | 1.0 | 5 |
| 79 | Bacterial Activity and Their Physiological Characteristics in the Sediments of O DP Holes 1202A and 1202D, Okinawa Trough, Western Pacific. Terrestrial, Atmospheric and Oceanic Sciences, 2005, 16, 113. | 0.3 | 5 |
| 80 | Study on thermal properties of nanocrystalline strontianite. Journal of Non-Crystalline Solids, 2010, 356, 1530-1532. | 1.5 | 4 |
| 81 | Interference of 1:1 and 2:1 layered phyllosilicates as excipients with ranitidine. Colloids and Surfaces B: Biointerfaces, 2016, 140, 67-73. | 2.5 | 4 |
| 82 | Provenance of Cored Sediments from Active Margin off Southwestern Taiwan Deduced from Geochemical Constraints. Acta Geologica Sinica, 2014, 88, 128-141. | 0.8 | 2 |
| 83 | Optimization of acridine orange loading on 1:1 layered clay minerals for fluorescence enhancement. Journal of Industrial and Engineering Chemistry, 2020, 90, 407-418. | 2.9 | 2 |
| 84 | Modification of Multilayer Carbon Nanotubes for the Removal of Arsenate. Journal of Nanoscience and Nanotechnology, 2016, 16, 3835-3840. | 0.9 | 1 |
| 85 | Role of fluids in surface deformation caused by the 1999 Chi-Chi earthquake in Taiwan. Earth Surface Processes and Landforms, 2002, 27, 1-10. | 1.2 | 0 |